

Abstract:

PURPOSE: A clutchless compressor is provided to prevent interference by breaking a breakable member and relieving from a break member at abnormal load of a compressor, and to prevent damage of parts and noise by forming the outer body of the breakable member with rubber. CONSTITUTION: A clutchless compressor is composed of a pulley(10) transmitting power to the compressor; a cover plate(20) connected to the compressor near the pulley; a breakable member(31) including an inner body(312) combining with the pulley and having a dodge groove(313), and an outer soft body(310) covering the inner body and having a groove(311); and a break member(32) connecting the breakable member to the cover plate by inserting a protrusion(321) to the groove of the outer body. The cover plate is separated from the pulley with breaking the outer body at abnormal torque of the compressor, and the pulley is rotated with passing the protrusion through the dodge groove in breaking the outer body. The breakable member doesn't interfere with the rotating break member with relieving the outer body. Parts are protected, and noise is reduced with making the outer body of rubber.